

PTO/SB/08A (10-01)

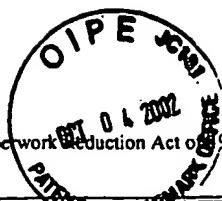
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Sheet 1 of 3

<p>Substitute for form 1449A/PTO</p> <p><b>INFORMATION DISCLOSURE</b></p> <p><b>STATEMENT BY APPLICANT</b></p> <p>(Use several sheets if necessary)</p>								Docket Number 213839-00012		Application Number 09/706,507			
								Applicant McCafferty et al.					
								Filing Date November 3, 2000		Group Art Unit 1627			
<b>U. S. PATENT DOCUMENTS</b>													
EXAMINER INITIAL		DOCUMENT NUMBER					DATE	NAME		CLASS	SUB CLASS	FILING DATE IF APPROP.	
JL	1	6	3	3	1	4	1	5		Cabilly et al.	435	69.6	6/10/88
<b>FOREIGN PATENT DOCUMENTS</b>													
		DOCUMENT NUMBER					DATE	COUNTRY		CLASS	SUB CLASS	Translation	
												Yes	No
<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, Etc.)													
JL	2	First Amended Complaint, Filed March 8, 2002 - Morphosys AG v. Cambridge Antibody Technology Limited, Case No. 1:00-CV-00146 (24 pages) (U.S. District Court, District of Columbia)(signed by John S. Skilton, Attorney for Plaintiff.)											
	3	Cambridge Antibody Technology Limited's Answer to First Amended Complaint, Filed March 22, 2002 - Morphosys AG v. Cambridge Antibody Technology Limited, Case No. 1:00-CV-00146 (30 pages) (U.S. District Court, District of Columbia)(signed by Brian H. Corcoran, Attorney for Defendant).											
	4	Il'ichev, A.A., et al., "M13 Filamentous Bacteriophage in Protein Engineering", Molekulyarnaya Biologiya, Vol. 24, No. 2, pp. 530-535, (March-April 1990).											
	5	Il'ichev, A.A., et al., "M13 Filamentous Bacteriophage for Protein Engineering", Molekulyarnaya Biologiya, Vol. 24, No. 2, pp. 530-535, (March-April 1990). (In Russian with Translated Abstract)											
	6	Redacted Agreement Between Medical Research Council and Cambridge Antibody Technology Limited and Cambridge Antibody Technology Group plc, made 01 January 1997											
	7	Deposition Transcript of David W. Clough, taken April 19, 2002 (Morphosys AG v. Cambridge Antibody Technology Limited, (U.S. District Court, Northern District of Illinois, Eastern Division).											
	8	E.I. du Pont de Nemours v. Cetus Corp., 19 USPQ2d 1174, (DC N.Cal. 1990).											
V	9	OddzOn Products Inc. v. Just Toys Inc., 43 USPQ2d 1641(CAFC 1997).											
EXAMINER										DATE CONSIDERED			
<p>EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.</p>													



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#### U. S. PATENT DOCUMENTS

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						Yes No

#### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JL	10	Deposition Transcript of George P. Smith, Ph.D., taken 14 May 2002, Morphosys AG v. Cambridge Antibody Technology
		Limited, Case No. 1:00-CV-00146 (30 pages) (U.S. District Court, District of Columbia.)
	11	Deposition Transcript of Dr. David Chiswell, taken 29 April 2002; Morphosys AG v. Cambridge Antibody Technology
		Limited, Case No. 1:00-CV-00146 (30 pages) (U.S. District Court, District of Columbia.)
	12	Deposition Transcript of Dr. Gregory Paul Winter, taken April 30, 2002; Morphosys AG v. Cambridge Antibody Technology
		Limited, Case No. 1:00-CV-00146 (30 pages) (U.S. District Court, District of Columbia.)
	13	Vol. I - Deposition Transcript of Sean Malcolm Walton, taken 01 May 2002, Morphosys AG v. Cambridge Antibody Technology Limited, Case No. 1:00-CV-00146 (30 pages) (U.S. District Court, District of Columbia.)
		Technology Limited, Case No. 1:00-CV-00146 (30 pages) (U.S. District Court, District of Columbia.)
	14	Vol. II - Deposition Transcript of Sean Malcolm Walton, taken 02 May 2002, Morphosys AG v. Cambridge Antibody Technology Limited, Case No. 1:00-CV-00146 (30 pages) (U.S. District Court, District of Columbia.)
		Technology Limited, Case No. 1:00-CV-00146 (30 pages) (U.S. District Court, District of Columbia.)
	15	Chiswell memo, dated 30 July 1990, transmitting a copy of the Collaborative Agreement between Cambridge Antibody Technology and The Medical Research Council, dated July 27, 1995.
		Technology and The Medical Research Council, dated July 27, 1995.
	16	Declaration of George P. Smith, Ph.D., Under 37 C.F.R. § 1.132, executed 30 June 1995 (submitted during the prosecution of U.S. Application No. 08/322,352).
		Declaration of Brian K. Kay, Ph.D., executed 28 June 1998, (submitted during the prosecution of European Appln. No. 91913039.3)
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Sheet 3 of 3

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<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, Etc.)							
JL	18	Abstract of George P. Smith, Grant No. 1R01GM41478-01A1, Project Start Date: July 1, 1989.					
	19	Smith Grant Application, entitled: "Filamentous Phage Physiology", dated November 1, 1988					
	20	Administration Agreement between Cambridge Antibody Technology Ltd. and Medical Research Council, dated 01 August 1991 (Redacted).					
	21	Fax from John McCafferty (of Cambridge Antibody Technology Limited) to Sean Walton (of Mewburn Ellis) regarding the Smith grant application.					
	22	E-mail message from John McCafferty (of Cambridge Antibody Technology Limited) to Brian Kay regarding the Smith grant application					
	23	Letter to Craig Panner (of the Academic Press) from John McCafferty (Cambridge Antibody Technology Limited) regarding the Smith grant application					
	24	Fax to John McCafferty, Ph.D. (of Cambridge Antibody Technology Limited) from Craig Panner (of Academic Press) dated June 10, 1996.					
	25	Smith, G. P., "1988 - A Year of Discovery", <i>Phage Display of Peptides and Proteins</i> , Academic Press, Inc. (1996), pp. xvii-xix.					
▼	26	Northern Telecom Inc. v. Datapoint Corp., 15 USPQ 1321., (CAFC 1990).					
EXAMINER /Jeffrey Lundgren/				DATE CONSIDERED 05/01/2006			
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<b>INFORMATION DISCLOSURE STATEMENT</b> <i>(Use several sheets if necessary)</i>		Applicant McCafferty, J. et al.	
		Filing Date herewith	Group to be assigned

U.S. PATENT DOCUMENTS							
*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
JL	A1	4,593,002	06/03/86	Dulbecco	435	172.3	10
	A2	4,816,397	03/28/89	Boss et al.	435	68	10
	A3	4,946,778	08/07/90	Ladner et al.	435	69.6	10
	A4	5,091,513	02/25/92	Huston et al.	530	387	10
	A5	5,223,409	06/29/93	Ladner et al.	435	69.7	10
	A6	5,403,484	04/04/95	Ladner et al.	435	235.1	10
	A7	5,427,908	06/27/95	Dower et al.	435	5	10
	A8	5,658,727	08/19/97	Barbas et al.	435	6	10
	A9	5,688,666	11/18/97	Bass et al.	435	69.4	10
	A10	5,750,373	05/12/98	Garrard et al.	435	69.4	10
	A11	5,759,817	06/02/98	Barbas, C.	435	69.7	10
	A12	5,770,356	06/23/98	Light et al.	435	5	10
	A13	5,780,279	07/14/98	Matthews et al.	435	172.3	10
	A14	5,821,047	10/13/98	Garrard et al.	435	5	10
	A15	5,846,765	12/08/98	Matthew et al.	435	69.1	10
▼	A16	5,849,500	12/15/98	Breitling et al.	435		10
	A17	5,985,588	11/16/99	Breitling et al.	435	7.8	10

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FOREIGN PATENT DOCUMENTS								
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							Yes	No
JL	B1	WO 83/02393	07/21/83	WIPO				
	B2	EP 2 137 631	10/10/84	EP				
	B3	EP 0 168 933	01/22/86	EP				
	B4	WO 88/06630	09/07/88	WIPO				
	B5	WO 88/09344	12/01/88	WIPO				
	B6	EP 0 324 162 A1	12/24/88	EP				
	B7	AU-B-27617/88	07/06/89	AU				
	B8	WO 90/02809	03/22/90	WIPO				
	B9	WO 90/05144	05/17/90	WIPO				
	B10	WO 90/14424	11/29/90	WIPO				
	B11	WO 90/14430	11/29/90	WIPO				
	B12	WO 90/14443	11/29/90	WIPO				
	B13	WO 91/10737	07/25/91	WIPO				
	B14	WO 91/17271	11/14/91	WIPO				
	B15	WO 92/06204	04/16/92	WIPO				
↓	B16	WO 92/09690	06/11/92	WIPO				
	B17	WO 92/18619	10/29/92	WIPO				

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
JL	C1	Amit, A.G. et al., "Three-Dimensional Structure of an Antigen-Antibody Complex at 2.8 Å Resolution," <i>Science</i> , 233:747-753 (August, 1986).
	C2	Armstrong, J. et al., "Domain Structure of Bacteriophage fd Adsorption Protein," <i>FEBS Lett.</i> , 135(1):167-172 (November, 1981).
	C3	Bass et al., "Hormone Phage: An Enrichment Method for Variant Proteins With Altered Binding Properties," <i>Proteins: Structure, Function and Genetics</i> , 8:309-314 (1990).
	C4	Beck, E. et al., "Nucleotide sequence and genome organisation of filamentous bacteriophages f1 and fd," <i>Gene</i> , 16:35-58 (1981).
	C5	Beck, E. et al., "Nucleotide sequence of bacteriophage fd DNA," <i>Nucleic Acids Research</i> , 5(12):4495-4503 (1978).
	C6	Berek, C. et al., "Molecular events during maturation of the immune response to oxazolone," <i>Nature</i> , 316:412-418 (August, 1985).
	C7	Better, M. et al., "Escherichia coli Secretion of an Active Chimeric Antibody Fragment," <i>Science</i> , 240:1041-1043 (May, 1988).
	C8	Bhat, T.N. et al., "Small rearrangements in structures of Fv and Fab fragments of antibody D1.3 on antigen binding," <i>Nature</i> , 347:483-485 (October, 1990).
	C9	Bird, R.E. et al., "Single chain antibody variable regions," <i>TIBTECH</i> , 9:132-137 (April, 1991).
	C10	Bird, R.E. et al., "Single-Chain Antigen-Binding Proteins," <i>Science</i> , 242:423-426 (October, 1988).
	C11	Boeke, J.D. et al., "Effects of Bacteriophage f1 Gene III Protein on the Host Cell Membrane," <i>Mol. Gen. Genet.</i> , 186:185-192 (1982).
	C12	Boyle, W., "An Extension of the <sup>51</sup> Cr-Release Assay for the Estimation of Mouse Cytotoxins," <i>Transplantation</i> , 6(6):761-764 (1968).
	C13	Branden, C. et al., in <i>Introduction to Protein Structure</i> , Garland Publishing, Inc., New York and London, pp.26-29 (1991).
▼	C14	Brenna, O. et al., "Affinity-Chromatography Purification of Alkaline Phosphatase from Calf Intestine," <i>Biochem. J.</i> , 151:291-296 (1975).

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)			
JL	C15	Brownstone, A. et al., "Biological Studies with an Iodine-Containing Synthetic Immunological Determinant 4-Hydroxy-3-iodo-5-nitrophenylacetic Acid (NIP) and Related Compounds," <i>Immunology</i> , 10:481-492 (1966)	
	C16	Brownstone, A. et al., "Chemical and Serological Studies with an Iodine-Containing Synthetic Immunological Determinant 4-Hydroxy-3-iodo-5-nitrophenylacetic Acid (NIP) and Related Compounds," <i>Immunology</i> , 10:465-479 (1966).	
	C17	Carter, P. et al., "Improved oligonucleotide site-directed mutagenesis using M13 vectors" <i>Nucl. Acids Res.</i> , 13(12):4431-4443 (1985).	
	C18	Casali, P. et al., "Human Monoclonals from Antigen-Specific Selection of B Lymphocytes and Transformation by EBV," <i>Science</i> , 234:476-479 (October, 1986).	
	C19	Chaidaroglou, A. et al., "Function of Arginine-166 in the Active Site of <i>Escherichia coli</i> Alkaline Phosphatase," <i>Biochemistry</i> , 27:8338-8343 (1988).	
	C20	Chang, C. N. et al., "Nucleotide sequence of the alkaline phosphatase gene of <i>Escherichia coli</i> ," <i>Gene</i> , 44:121-125 (1986).	
	C21	Chaudhary, V.K. et al., "A rapid method of cloning functional variable-region antibody genes in <i>Escherichia coli</i> as single-chain immunotoxins," <i>Proc. Natl. Acad. Sci., USA</i> , 87:1066-1070 (February, 1990).	
	C22	Chiang, Y.L. et al., "Direct cDNA Cloning of the Rearranged Immunoglobulin Variable Region," <i>BioTechniques</i> , 7(4):360-366 (1989).	
	C23	Choo, Y. et al., "In vivo repression by a site-specific DNA-binding protein designed against an oncogenic sequence," <i>Nature</i> , 372:642-645 (1994).	
	C24	Choo, Y. et al., "Selection of DNA binding sites for zinc fingers using rationally randomized DNA reveals coded interactions," <i>Proc. Natl. Acad. Sci., USA</i> , 91:11168-11172 (1994).	
↓	C25	Choo, Y. et al., "Toward a code for the interactions of zinc fingers with DNA: Selection of randomized fingers displayed on phage," <i>Proc. Natl. Acad. Sci., USA</i> , 91:11163-11167 (1994).	
↓	C26	Chothia, C. et al., "Canonical Structures for the Hypervariable Regions of Immunoglobulins," <i>J. Mol. Biol.</i> , 196:901-917 (1987).	

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JL	C27	Chuchana, P. et al., "Definition of the human immunoglobulin variable lambda (IGLV) gene subgroups," <i>Eur. J. Immunol.</i> , 20:1317-1325 (1990).	
	C28	Clackson, T. et al., "'Sticky feet'-directed mutagenesis and its application to swapping antibody domains," <i>Nucl. Acids Res.</i> , 17(24):10163-10170 (1989).	
	C29	Cunningham, C. et al., "Antibody engineering - how to be human," <i>Trends Biotechnology</i> , 10(4):112-113 (April, 1992).	
	C30	Curti, B.D., "Physical Barriers to drug delivery in tumors," <i>Critical Reviews in Oncology/Hematology</i> , 14:29-39 (1993).	
	C31	Cwirla, S.E. et al., "Peptides on phage: A vast library of peptides for identifying ligands," <i>Proc. Natl. Acad. Sci., USA</i> , 87:6378-6382 (1990).	
	C32	De Bellis, D. et al., "Regulated expression of foreign genes fused to lac: control by glucose levels in growth medium," <i>Nucl. Acids Res.</i> , 18(5):1311 (1980).	
	C33	De la Cruz et al., "Immunogenicity and Epitope Mapping of Foreign Sequences via Genetically Engineered Filamentous Phage," <i>J. Biol. Chem.</i> , 263(9):4318-4322 (1988).	
	C34	Dildrop, R., "A new classification of mouse V <sub>H</sub> sequences," <i>Immunol. Today</i> , 5(4):85-86 (1984).	
	C35	Dillman, R.O., "Monoclonal Antibodies for Treating Cancer," <i>Annals of Internal Medicine</i> , 111:592-603 (1989).	
	C36	Dower, W.J. et al., "High efficiency transformation of <i>E. coli</i> by high voltage electroporation," <i>Nucl. Acids Res.</i> , 16(13):6127-6145 (1988).	
	C37	Eckert, K.A. et al., "High fidelity DNA synthesis by the <i>Thermus aquaticus</i> DNA polymerase," <i>Nucl. Acids Res.</i> , 18(13):3739-3744 (1990).	
	C38	Eisen, H.N., "Determination of Antibody Affinity For Haptens and Antigens by Means of Fluorescence Quenching," <i>Meth. Med. Res.</i> , 10:115-121 (1964).	
	C39	Evan, G.I. et al., "Isolation of Monoclonal Antibodies Specific for Human c-myc Proto-Oncogene Product," <i>Mol. Cell. Biol.</i> , 5(12):3610-3616 (December, 1985).	
▼	C40	Fikes, J.D. et al., "Maturation of <i>Escherichia coli</i> Maltose-binding Protein by Signal Peptidase I in Vivo," <i>J. Biological Chemistry</i> , 265(6):3417-3423 (1990).	

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JL	C41	Galfre, G. et al., "Preparation of Monoclonal Antibodies: Strategies and Procedures," <i>Methods Enzymology</i> , 73:3-46 (1981).	
	C42	Gherardi, E. et al., "A single-step procedure for cloning and selection of antibody-secreting hybridomas," <i>J. Immunol. Methods</i> , 126:61-68 (1990).	
	C43	Glockshuber, R. et al., "The Disulfide Bonds in Antibody Variable Domains: Effects on Stability, Folding in Vitro, and Functional Expression in <i>Escherichia coli</i> ," <i>Biochemistry</i> , 31:1270-1279 (1992).	
	C44	Goldstein, G., "Overview of the Development of ORTHOCLONE OKT3: Monoclonal Antibody for Therapeutic Use in Transplantation," <i>Transplantation Proceedings</i> , Vol. XIX, No. 2, Suppl. 1:1-6 (April, 1987).	
	C45	Gorick, B.D. et al., "Three Epitopes on the Human Rh Antigen D Recognized by <sup>125</sup> I-Labelled Human Monoclonal IgG Antibodies," <i>Vox. Sang.</i> , 55:165-170 (1988).	
	C46	Gottesman, M.E. et al., "Transcription Antitermination by Bacteriophage Lambda N Gene Product," <i>J. Mol. Biol.</i> , 140:57-75 (1980).	
	C47	Grant, R.A. et al., "Structure of the Filamentous Bacteriophage f1," <i>J. Biol. Chem.</i> , 256(1):539-546 (January, 1981).	
	C48	Griffiths, G.M. et al., "Somatic mutation and the maturation of immune response to 2-phenyl oxazolone," <i>Nature</i> , 312:271-275 (1984).	
	C49	Gronwald, R.G.K. et al., "Cloning and expression of a cDNA coding for the human platelet-derived growth factor receptor: Evidence for more than one receptor class," <i>Proc. Natl. Acad. Sci., USA</i> , 85:3435-3439 (May, 1988).	
	C50	Harper, M. et al., "Antigen Specificity and Cross-Reactivity of Monoclonal Anti-Lysozyme Antibodies," <i>Molec. Immunol.</i> , 24(2):97-108 (1987).	
	C51	Harris, W.J. et al., "Therapeutic antibodies - the coming of age," <i>Trends Biotechnology</i> , 11:42-44 (February, 1993).	
	C52	Hird, V. et al., "Immunotherapy with Monoclonal Antibodies," in <i>Genes and Cancer</i> , Edited by D. Carney and K. Sikora, John Wiley & Sons, Ltd., pp.183-189 (1990).	
▼	C53	Horton, R.M. et al., "Engineering hybrid genes without the use of restriction enzymes: gene splicing by overlap extension," <i>Gene</i> , 77:61-68 (1989).	

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JL	Citation Number	Description of Document	
	C54	Hughes-Jones, N.C. et al., "Nucleotide sequences and three-dimensional modelling of the $V_H$ and $V_L$ domains of two human monoclonal antibodies specific for the D antigen of the human Rh-blood-group system," <i>Biochem. J.</i> , 268:135-140 (1990).	
	C55	Hull, W.E. et al., " $^{31}P$ Nuclear Magnetic Resonance Study of Alkaline Phosphatase: The Role of Inorganic Phosphate in Limiting the Enzyme Turnover Rate at Alkaline pH," <i>Biochemistry</i> , 15(7):1547-1561 (1976).	
	C56	Huse et al., "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda," <i>Science</i> , 246:1275-1281 (1989).	
	C57	Huston, J.S. et al., "Protein engineering of antibody binding sites: Recovery of specific activity in an anti-digoxin single-chain Fv analogue produced in <i>Escherichia coli</i> ," <i>Proc. Natl. Acad. Sci., USA</i> , 85:5879-5883 (August, 1988).	
	C58	Izard, J.W. et al., "Signal peptides: exquisitely designed transport promoters," <i>Molecular Microbiology</i> , 13(5):765-773 (1994).	
	C59	Kabat et al., <i>Sequences of Proteins of Immunological Interest</i> , 5th ed. pgs.339, 362, 430, 451 and 1418 (1991).	
	C60	Kabat et al., <i>Sequences of Proteins of Immunological Interest</i> , 4th ed. p.181 (1987).	
	C61	Kang, A.S. et al., "Antibody redesign by chain shuffling from random combinatorial immunoglobulin libraries," <i>Proc. Natl. Acad. Sci., USA</i> , 88(24):1120-1123 (1991).	
	C62	Kang, A.S. et al., "Linkage of recognition and replication functions by assembling combinatorial antibody Fab libraries along phage surfaces," <i>Proc. Natl. Acad. Sci., USA</i> , 88(10):4363-4366 (1991).	
	C63	Kettleborough, C.A. et al., "Humanization of a mouse antibody by CDR-grafting: the importance of framework residues on loop conformation," <i>Protein Engineering</i> , 4(7):773-783 (1991).	
	C64	Kim, Y. et al., "Refinement of Eco RI Endonuclease Crystal Structure: A Revised Protein Chain Tracing," <i>Science</i> , 249:1307-1309 (1990).	
▼	C65	Köhler, G. et al., "Continuous cultures of fused cells secreting antibody of predefined specificity," <i>Nature</i> , 256:495-497 (August, 1975).	

EXAMINER	DATE CONSIDERED
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

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		Filing Date herewith	Group to be assigned

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)			
JL	C66	Kornberg, A., <i>DNA Replication</i> , W.H. Freeman & Co., San Francisco, pp. 15, 20, 287, 385, 368-369, 383-385, 393, 461, 474, 478-496, 505-506 (1974).	
	C67	Laforet, G.A. et al., "Functional Limits of Conformation, Hydrophobicity, and Steric Constraints in Prokaryotic Signal Peptide Cleavage Regions," <i>J. Biological Chemistry</i> , 266(2):1326-1334 (1991).	
	C68	Larrick, J.W. et al., "Rapid Cloning of Rearranged Immunoglobulin Genes from Human Hybridoma Cells Using Mixed Primers and the Polymerase Chain Reaction," <i>Biochem. Biophys. Res. Commun.</i> , 160(3):1250-1255 (May, 1989).	
	C69	Lesk, A. M. et al., "Elbow motion in the immunoglobulins involves a molecular ball-and -socket joint," <i>Nature</i> , 335:188-190 (September, 1988).	
	C70	Mäkelä, O. et al., "Inheritance of Antibody Specificity V Anti-2-Phenylloxazolone in the Mouse," <i>J. Exp. Med.</i> , 148:1644-1660 (December, 1978).	
	C71	Malamy, M.H. et al., "Purification and Crystallization of the Alkaline Phosphatase of <i>Escherichia coli</i> ," <i>Biochemistry</i> , 3(12):1893-1897 (December, 1964).	
	C72	Marvin, D.A. et al., "Molecular Models and Structural Comparisons of Native and Mutant Class I Filamentous Bacteriophages Ff m(fd, f1, M13), If1 and IKe," <i>J. Mol. Biol.</i> , 235:260-286 (1994).	
	C70	McCafferty et al., "Phage Antibodies: Filamentous Phage Displaying Antibody Variable Domains," <i>Nature</i> , 348:552-554 (1990).	
	C74	McCracken, S. et al., "Functional and Structural Properties of Immobilized Subunits of <i>Escherichia coli</i> Alkaline Phosphatase," <i>J. Biol. Chem.</i> , 255(6):2396-2404 (March, 1980).	
	C75	Melamed, M.D. et al., "Requirements for the establishment of heterohybridomas secreting monoclonal human antibody to rhesus (D) blood group antigen," <i>J. Immunological Methods</i> , 104:245-251 (1987).	
↓	C76	Milstein F.R.S., C., "The Croonian Lecture, 1989 Antibodies: a paradigm for the biology of molecular recognition," <i>Proceedings of the Royal Society of London</i> , 239(1294):1-16 (1990)	

EXAMINER	DATE CONSIDERED
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)			
JL	Citation Number	Document Description	
	C77	Munro, S. et al., "An Hsp70-like Protein in the ER: Identity with the 78 kd Glucose-Regulated Protein and Immunoglobulin Heavy Chain Binding Protein," <i>Cell</i> , 46:291-300 (July, 1986).	
	C78	Nagai, K. et al., "Synthesis and Sequence-Specific Proteolysis of Hybrid Proteins Produced in <i>Escherichia coli</i> ," <i>Methods Enzymology</i> , 153:461-481 (1987).	
	C79	Neuberger, M.S. et al., "Recombinant antibodies possessing novel effector functions," <i>Nature</i> , 312:604-608 (1984).	
	C80	Newman, A.K. et al., "DNA Sequences of Structural Genes for <i>Eco RI</i> DNA Restriction and Modification Enzymes," <i>J. Biological Chemistry</i> , 256(5):2131-2139 (1981).	
	C81	Ohlson, S. et al., "Novel Approach to Affinity Chromatography Using "Weak" Monoclonal Antibodies," <i>Anal. Biochem.</i> , 169:204-208 (1988).	
	C82	Oliver, D.B. et al., "Periplasm and Protein Secretion," in <i>Escherichia coli and Salmonella typhimurium: cellular and molecular biology</i> , F.C. Neidhart (ed.), American Society for Microbiology, Washington, pp. 56-69.	
	C83	Orlandi, R. et al., "Cloning immunoglobulin variable domains for expression by the polymerase chain reaction," <i>Proc. Natl. Acad. Sci., USA</i> , 86:3833-3837 (May, 1989).	
	C86	Osband, M.E. et al., "Problems in the investigational study and clinical use of cancer immunotherapy," <i>Immunology Today</i> , 11(6):193-195 (1990).	
	C86	Parmley et al., "Antibody-selectable Filamentous fd Phage Vectors: Affinity Purification of Target Genes," <i>Gene</i> , 73(2):305-318 (December, 1988).	
	C86	Parmley, S.F. et al., "Filamentous Fusion Phage Cloning Vectors for the Study of Epitopes and Design of Vaccines," <i>Adv. Exp. Med. Biol.</i> , 251:215-218 (1989).	
	C87	Perelson, A.S., "Immune Network Theory," <i>Immunol. Reviews</i> , 110:5-36 (1989).	
↓	C86	Pratt, D. et al., "Conditional Lethal Mutants of the Small Filamentous Coliphage M13 II. Two Genes for Coat Proteins," <i>Virology</i> , 39:42-53 (1969).	
↓	C89	Rasched, I. et al., "Ff Coliphages: Structural and Functional Relationships," <i>Microbiological Reviews</i> , 50(4):401-427 (1986).	

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)			
JL	C90	Riechmann, L. et al., "Reshaping human antibodies for therapy," <i>Nature</i> , 332:323-327 (March, 1988).	
	C91	Rossomando, E.F. et al., "Studies on the Bacteriophage f1 I. Alkali-induced Disassembly of the Phage into DNA and Protein," <i>J. Mol. Biol.</i> , 36:387-399 (1968).	
	C92	Saiki, R.K. et al., "Primer-Directed Enzymatic Amplification of DNA with a Thermostable DNA Polymerase," <i>Science</i> , 239:487-491 (January, 1988).	
	C93	Sambrook et al., <i>Molecular Cloning: A Laboratory Manual</i> , 4.13-4.14, 4.17-4.19, 4.46 and A.12 (1989).	
	C94	Sastry, L. et al., "Cloning of the immunological repertoire in <i>Escherichia coli</i> for generation of monoclonal catalytic antibodies: Construction of a heavy chain variable region-specific cDNA library," <i>Proc. Natl. Acad. Sci., USA</i> , 86:5728-5732 (August, 1989).	
	C95	Schaaper, R.M. et al., "Escherichia coli mutT Mutator Effect during <i>in Vitro</i> DNA Synthesis," <i>J. Biol. Chem.</i> , 262(34):16267-16270 (December, 1987).	
	C96	Schapper, R.M., "Mechanisms of mutagenesis in the <i>Escherichia coli</i> mutator mutD5: Role of DNA mismatch repair," <i>Proc. Natl. Acad. Sci., USA</i> , 85:8126-8130 (November, 1988).	
	C97	Schneider, G. et al. "Analysis of Cleavage-Site Patterns in Protein Precursor Sequences with a Perceptron-Type Neural Network," <i>Biochemical and Biophysical Research Communications</i> , 194(2):951-959 (1993).	
	C98	Shimatake, H. et al., "Purified $\lambda$ regulatory protein cII positively activates promoters for lysogenic development," <i>Nature</i> , 292:128-132 (July, 1981).	
	C99	Short et al., "Lambda ZAP: A Bacteriophage Lambda Expression Vector with In Vivo Excision Properties," <i>Nucleic Acids Research</i> , 16(15):7583-7600 (August, 1988).	
	C100	Skerra, A. et al., "Assembly of a Functional Immunoglobulin F <sub>v</sub> Fragment in <i>Escherichia coli</i> ," <i>Science</i> , 240:1038-1040 (May, 1988).	
▼	C101	Smith, G.P., "Filamentous Fusion Phage: Novel Expression Vectors that Display Cloned Antigens on the Virion Surface," <i>Science</i> , 228(4705):1315-1317 (June, 1985).	

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)			
JL	C102	Smith, G.P., "Filamentous Phage Assembly: Morphogenetically Defective Mutants That Do Not Kill the Host," <i>Virology</i> , 167:156-165 (1988).	
	C103	Stanfield, R.L. et al., "Crystal Structures of an Antibody to a Peptide and Its Complex with Peptide Antigen at 2.8 Å," <i>Science</i> , 248:712-719 (1990).	
	C104	Stengele, I. et al., "Dissection of Functional Domains in Phage fd Adsorption Protein Discrimination between Attachment and Penetration Sites," <i>J. Mol. Biol.</i> , 212(1):143-149 (1990).	
	C105	Strauch, K. L. et al., "An <i>Escherichia coli</i> mutation preventing degradation of abnormal periplasmic proteins," <i>Proc. Natl. Acad. Sci., USA</i> , 85:1576-1580 (March, 1988).	
	C106	Tsunetsugu-Yokota et al., "Expression of an Immunogenic Region of HIV by a Filamentous Bacteriophage Vector," <i>Gene</i> , 99(2):261-265 (March, 1991).	
	C107	Van Wezenbeek, P. et al., "Nucleotide sequence of the filamentous bacteriophage M13 DNA genome: comparison with phage fd," <i>Gene</i> , 11:129-148 (1980).	
	C108	Venkitaraman, A.R., "Use of modified T7 DNA polymerase (sequence version 2.0 <sup>TM</sup> ) for oligonucleotide site-directed mutagenesis," <i>Nucl. Acids Res.</i> , 17(8):3314 (April, 1989).	
	C109	Vieira, J. et al., "Production of Single-Stranded Plasmid DNA," <i>Methods Enzymol.</i> , 153:3-11 (1987).	
	C110	Von Boehmer, H. et al., "The Separation of Different Cell Classes from Lymphoid Organs. IX. A Simple and Rapid Method for Removal of Damaged Cells From Lymphoid Cell Suspensions," <i>J. Immunol. Methods</i> , 2:293-301 (1973).	
	C111	Waldmann, T.A., "Monoclonal Antibodies in Diagnosis and Therapy," <i>Science</i> , 252:1657-1662 (June, 1991).	
	C112	Walter, G. et al., "Antibodies Against Synthetic Peptides," in <i>Genetic Engineering: Principles and Methods</i> , Vol. 5, Setlow and Hollaender (eds.), Plenum, New York, pp. 61-91 (1983).	
▼	C113	Ward, E.S. et al., "Binding activities of a repertoire of single immunoglobulin variable domains secreted from <i>Escherichia coli</i> ," <i>Nature</i> , 341:544-546 (October, 1989).	

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)			
JL	C114	Webster, R.E. et al., "Morphogenesis of the Filamentous Single-stranded DNA Phages," In: <i>The Single Stranded DNA Phages</i> , Cold Spring Harbor Laboratory Press, pp. 557-569 (1978).	
	C115	White, M. R. H. et al., "Imaging of Firefly Luciferase Expression in Single Mammalian Cells Using High Sensitivity Charge-Coupled Device Cameras," <i>Technique (PHILA)</i> , 2 (4) 194-201 (1990).	
	C116	Williams, A.F. et al., "The Immunoglobulin Superfamily - Domains for Cell Surface Recognition <sup>1,2</sup> ," <i>Ann. Rev. Immunol.</i> , 6:381-405 (1988).	
	C117	Winter et al., "Man-made Antibodies," <i>Nature</i> , 349(6307):293-299 (January, 1991).	
	C118	Yanisch-Perron, C. et al., "Improved M13 phage cloning vectors and host strains: nucleotide sequences of the M13mp18 and pUC19 vectors," <i>Gene</i> , 33:103-119 (1985).	
↓	C119	Zacher III, A.N. et al., "A New Filamentous Phage Cloning Vector: fd-tet," <i>Gene</i> , 9:127-140 (1980).	

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